

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
**(Under 37 CFR 1.97(b) or 1.97(c))**

Docket No.  
**YOU102**

In Re Application Of: **Kim, et al.**

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/786,379	February 25, 2004		32047	1762	3388

Title: **METHOD OF PROTECTING METALS FROM CORROSION USING THIOL COMPOUNDS**



Address to:  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
- ☐ the statement specified in 37 CFR 1.97(e);
- OR**
- ☐ the fee set forth in 37 CFR 1.17(p).

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**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

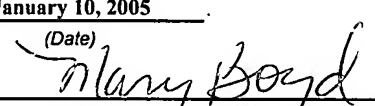
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- ☒ The Director is hereby authorized to charge and credit Deposit Account No. **50-2121** as described below.
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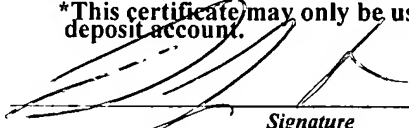
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**Donald J. Perreault**

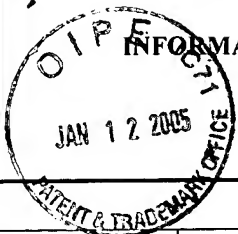
**Reg. No. 40,126**

**Grossman, Tucker, Perreault & Pfleger, PLLC**

**603-668-6560**

Dated: **January 10, 2005**

CC:



**INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)

<b>Docket Number (optional)</b> YOU102	<b>Application No.</b> 10/786,379
<b>Applicants(s)</b> Kim et al.	
<b>Filing Date</b> February 25, 2004	<b>Group Art Unit</b> 1762

**U.S. PATENT DOCUMENTS**

*Examiner Initial	REF	DOCUMENT NUMBER	DATE	NAME	CLASS/SUBCLASS	FILING DATE IF APPROPRIATE
		5,108,793	04/28/1992	van Ooij et al.	427/327	
		5,200,275	04/06/1993	van Ooij et al.	428/623	
		5,292,549	03/08/1994	van Ooij et al.	427/156	
		5,433,976	07/18/1995	van Ooij et al.	427/327	
		5,487,792	01/30/1996	King et al.	136/256	
		5,750,197	05/12/1998	van Ooij et al.	427/318	
		5,759,629	06/02/1998	van Ooij et al.	427/384	
		6,102,521	08/15/2000	Halko et al.	347/47	
		6,183,815 B1	02/06/2001	Enick et al.	427/400	
		6,461,682 B1	10/08/2002	Crotty et al.	427/387	

**FOREIGN PATENT DOCUMENTS**

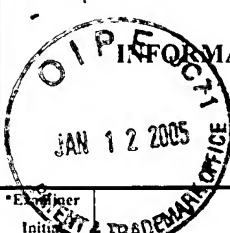
REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS/SUBCLASS	TRANSLATION	
					YES	NO
	WO 02/072283 A1	09/19/2002	PCT	B05D/3/02		

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**


**EXAMINER**

**DATE CONSIDERED**

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include Copy of this form with next communication to applicant

		Docket Number (optional) <b>YOU102</b>	Application No. <b>10/786,379</b>
		Applicants(s) <b>Kim et al.</b>	
		Filing Date <b>February 25, 2004</b>	Group Art Unit <b>1762</b>
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>			
		Azzaroni, O., M. Cipollone, M.E. Vela and R.C. Salvarezza, Protective properties of dodecanthiol layers on copper surface: The effect of chloride anions in aqueous environments, <i>Langmuir</i> , 17 (2001), pp. 1483-1487.	
		Jennings, G.K. and Paul E. Laibinis, Self-assembled monolayers of alkanethiol on copper provide corrosion resistance in aqueous environments, <i>Colloids and Surface A: Physicochemical and Engineering Aspects</i> , 116 (1996), pp. 105-114.	
		Nozawa, K., H. Nishihara and K. Aramaki, Chemical Modification of Alkanethiol Monolayer for Protecting Iron Against Corrosion, <i>Corrosion Science</i> , 39 (1997), pp. 1625-1639.	
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		Taneichi, D., Reiko Haneda and Kunitsugu Aramaki, A novel modification of an alkanethiol self-assembled monolayer with alkylisocyanates to prepare protective films against copper corrosion, <i>Corrosion Science</i> , 43 (2001), pp. 1589-1600.	
		Zamborini, F.P. and R.M. Crooks, Corrosion passivation of gold by n-alkanethiol self-assembled monolayers: Effect of chain length and end group, <i>Langmuir</i> , 14 (1998), pp. 3279-3286.	
		van Ooij, W.J. and T. Child, Protecting Metals with Silane Coupling Agents, <i>Chemtech</i> , 1998, pp. 26-35.	
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